

o **Polycarbonate** compositions with flame retardance, impact resistance, rigidity, and moldability

L49 ANSWER 119 OF 139 CAPLUS COPYRIGHT 2001 ACS  
 ACCESSION NUMBER: 1996:197096 CAPLUS  
 DOCUMENT NUMBER: 124:234129  
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 PATENT ASSIGNEE(S): Toray Industries, Japan  
 SOURCE: Jpn. Kokai Tokkyo Koho, 10 pp.  
 CODEN: JKXXAF  
 DOCUMENT TYPE: **Patent**  
 LANGUAGE: Japanese  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 08012868	A2	19960116	JP 1995-104505	19950428
PRIORITY APPLN. INFO.:			JP 1994-92022	19940428

OTHER SOURCE(S): MARPAT 124:234129

AB The title compns. free of Cl and Br compds. comprise (i) 100 parts resin compns. comprising (A) arom. **polycarbonates**, (B) 0-50% graft copolymers prep'd. by graft copolymn. of 70-20 parts monomer **mixts** . contg. 40-90% arom. vinyl monomers and 10-60% vinyl cyanides to 30-80 parts rubber polymers, and/or (C) vinyl copolymers prep'd. by copolymg. monomer **mixts**. contg. 40-90% arom. vinyl monomers and 10-60% vinyl cyanides (A 50-98%, B + C = 2-50%), (ii) 0.01-5 parts F-contg. resins and/or silicones, and (iii) 1-40 parts P ester compds. (R1O)(R2O)P(O)OXOP(O)(OR3)(OR4) [X = arylene; R1-R4 = (substituted) Ph]. Thus, bisphenol A-COCl2 copolymer 86, acrylonitrile-polybutadiene-styrene graft copolymer 14, Polyflon F 104 0.2, and PX-201 15 parts were mixed, melt-kneaded at 240.degree., extruded, pelletized, and injection-molded at 260.degree. to give a test piece.

ST arom **polycarbonate** compn phosphate flame retardance; heat resistance arom **polycarbonate** compn; impact resistance arom **polycarbonate** compn; rubber graft copolymer **blend polycarbonate**

IT Phosphates, uses  
 RL: MOA (Modifier or additive use); USES (Uses)  
 (flame retardants; heat- and impact-resistant fireproof arom. **polycarbonate** compns.)

IT Heat-resistant materials  
 Impact-resistant materials  
 (heat- and impact-resistant fireproof arom. **polycarbonate** compns.)

IT Fireproofing agents  
 (phosphates; heat- and impact-resistant fireproof arom. **polycarbonate** compns.)

IT Rubber, silicone, properties  
 RL: POF (**Polymer in formulation**); PRP (Properties); USES (Uses)  
 (**polycarbonate blend**, Trefil E 601; heat- and impact-resistant fireproof arom. **polycarbonate** compns.)

IT Fluoropolymers  
**Siloxanes** and Silicones, properties  
 RL: POF (**Polymer in formulation**); PRP (Properties); USES (Uses)  
 (**polycarbonate blends**; heat- and impact-resistant fireproof arom. **polycarbonate** compns.)

IT **Polycarbonates**, preparation  
 RL: IMF (Industrial manufacture); POF (**Polymer in formulation**); PRP (Properties); PREP (Preparation); USES (Uses)  
 (arom., heat- and impact-resistant fireproof arom. **polycarbonate** compns.)

IT Plastics, molded  
 RL: POF (**Polymer in formulation**); PRP (Properties); USES (Uses)